[redacted] CONFIDENTIAL

Bmd-2-

26 JUN 1989
DECLASSIFIED

AFSHRC
MAXWELL AFB AL 36112
RETURN TO
26 JUN 1989
v. 19
1954-1961
K243.042-19

Downgraded to Unclassified

[redacted]

SMC

COMPARISON OF BMD PROGRAMS

3 November 1957

Unclassified ~~CONFIDENTIAL~~

26 JUN 1989
CLASSIFIED BY _____
SUBJECT TO GENERAL DECLASSIFICATION
SCHEDULE OF EXECUTIVE ORDER 11652
AUTOMATICALLY DOWNGRADED AT TWO YEAR
INTERVALS DECLASSIFIED ON DECEMBER
31, 1965

DOWNGRADED AT 3 YEAR INTERVALS
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

DECLASSIFIED
26 JUN 1989

~~CONFIDENTIAL~~

[redacted]

SM-65 PROGRAM SUMMARY

			TOTAL	PRIOR	CY58 1	CY58 2	CY58 3	CY58 4	CY59 1	CY59 2	CY59 3	CY59 4	CY60 1	CY60 2	CY60 3	CY60 4	CY61 1	CY61 2	CY61 3	CY61 4	CY62 1	CY62 2	CY62 3	CY62 4	CY63 1	CY63 2	CY63 3	CY63 4
DELIVERIES	(1) AUTH. FOR IMPLEMENT.		165	18	4	6	6	7	9	12	12	12	12	12	12	12	12	12	7									
ALLOCATIONS	R&D	(1)	110	18	4	6	6	7	7	7	7	8	10	6	7	7	6	4										
	WS 117L																											
	IOC	(1)	55						2	5	5	4	2	6	5	5	6	8	7									
OPERATIONAL SQDNS	AUTHORIZED FOR IMPLEMENT. (SOFT)									COOKE COMPLEX ½			COOKE ½		①		②		③									

[redacted]

~~CONFIDENTIAL~~

SM-65 PROGRAM SUMMARY

			TOTAL	PRIOR	CY 58				CY 59				CY 60				CY 61				CY 62				CY 63			
					1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
DELIVERIES	(1) AUTH. FOR IMPLEMENT.		165	18	4	6	6	7	9	12	12	12	12	12	12	12	12	12	7									
	(2) AUTH. FOR PLANNING		165	18	4	6	6	7	9	12	12	12	12	13	13	14	13	14										
ALLOCATIONS	R&D	(1) & (2)	110	18	4	6	6	7	7	7	7	8	10	6	7	7	6	4										
	WS 117L																											
	IOC	(1)	55						2	5	5	4	2	6	5	5	6	8	7									
		(2)	55						2	5	5	4	2	7	6	7	7	10										
OPERATIONAL SQDNS	AUTHORIZED FOR IMPLEMENT. (SOFT)								COOKE ½		COMPLEX ½		COOKE 1		1		2											
	AUTHORIZED FOR PLANNING (SOFT)								COOKE ½		COMPLEX ½		COOKE 1		2		3											

~~CONFIDENTIAL~~

SM-65 PROGRAM SUMMARY

			TOTAL	PRIOR	CY 58 1	2	3	4	CY 59 1	2	3	4	CY 60 1	2	3	4	CY 61 1	2	3	4	CY 62 1	2	3	4	Q 1	2	3
DELIVERIES	(1) AUTH. FOR IMPLEMENT.		185	18	4	6	6	7	9	12	12	12	12	12	12	12	12	12	7								
	(2) AUTH. FOR PLANNING		165	18	4	6	6	7	9	12	12	12	12	13	13	14	13	14									
	(3) PROPOSED ACCEL. (25OCT)		298	18	4	6	6	7	9	14	15	15	18	18	18	18	18	17	15	16	16	16	16	18			
ALLOCATIONS	R&D	(1) & (2)	110	18	4	6	6	7	7	7	7	8	10	6	7	7	6	4									
		(3)	130	18	4	6	6	7	7	7	7	8	10	6	7	7	6	6	6	6	6						
	WS 117L	(3)	38							1	2	1	2	2	3	3	3	3	3	3	3	3	3	3			
	IOC	(1)	55						2	5	5	4	2	6	5	5	6	8	7								
		(2)	55						2	5	5	4	2	7	6	7	7	10									
		(3)	130						2	6	6	6	6	10	8	8	9	8	6	7	7	13	13	15			
OPERATIONAL SQDNS	AUTHORIZED FOR IMPLEMENT. (SOFT)								COOKE ½		COMPLEX ½		COOKE 1		2		3										
	AUTHORIZED FOR PLANNING (SOFT)								COOKE ½		COMPLEX ½		COOKE 1	2		3											
	PROPOSED ACCEL. (25OCT)	SOFT							COOKE ½		COMPLEX ½	COOKE 1		2	3		4										
		HARD																	COOKE COMP. ½		1	2	3	4			

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SM-65 PROGRAM SUMMARY

		TOTAL PROR	CY 58 1	2	3	4	CY 59 1	2	3	4	CY 60 1	2	3	4	CY 61 1	2	3	4	CY 62 1	2	3	4	FY
FOR IMPLEMENT.		165	18	4	6	6	7	9	12	12	12	12	12	12	12	12	12	7					
(2) AUTH. FOR PLANNING		165	18	4	6	6	7	9	12	12	12	12	13	13	14	13	14						
(3) PROPOSED ACCEL. (25OCT)		298	18	4	6	6	7	9	14	15	15	18	18	18	18	18	17	15	16	16	16	16	18
(4) MAXIMUM OPN'L BUILD-UP		536	18	4	6	6	7	9	14	15	16	20	25	31	37	40	42	45	45	45	45	45	21
R&D	(1) & (2)	110	18	4	6	6	7	7	7	7	8	10	6	7	7	6	4						
	(3) & (4)	130	18	4	6	6	7	7	7	7	8	10	6	7	7	6	6	6	6	6			
WS 117L	(3) & (4)	38							1	2	1	2	2	3	3	3	3	3	3	3	3	3	
IOC	(1)	55						2	5	5	4	2	6	5	5	6	8	7					
	(2)	55						2	5	5	4	2	7	6	7	7	10						
	(3)	130						2	6	6	6	6	10	8	8	9	8	6	7	7	13	13	15
	(4)	368						2	6	6	7	8	17	21	22	31	35	36	36	36	42	42	18
AUTHORIZED FOR IMPLEMENT. (SOFT)								COOKE ½	COMPLEX ½	COOKE ½		COOKE 1				COOKE 2		COOKE 3					
AUTHORIZED FOR PLANNING (SOFT)								COOKE ½	COMPLEX ½	COOKE ½		COOKE 1				COOKE 2		COOKE 3					
PROPOSED ACCEL. (25OCT)	SOFT							COOKE ½	COMPLEX ½	COOKE ½	1		2			COOKE 3		COOKE 4					
	HARD																	COOKE COMP. ½		1	2	3	4
MAXIMUM OPN'L BUILD-UP	SOFT							COOKE ½	COMPLEX ½	COOKE ½	1	2	3			4 5	6 7 8	9 10	11 12	13 14	15	16	
	HARD																		5	1	2	3 4	5 6 7 8

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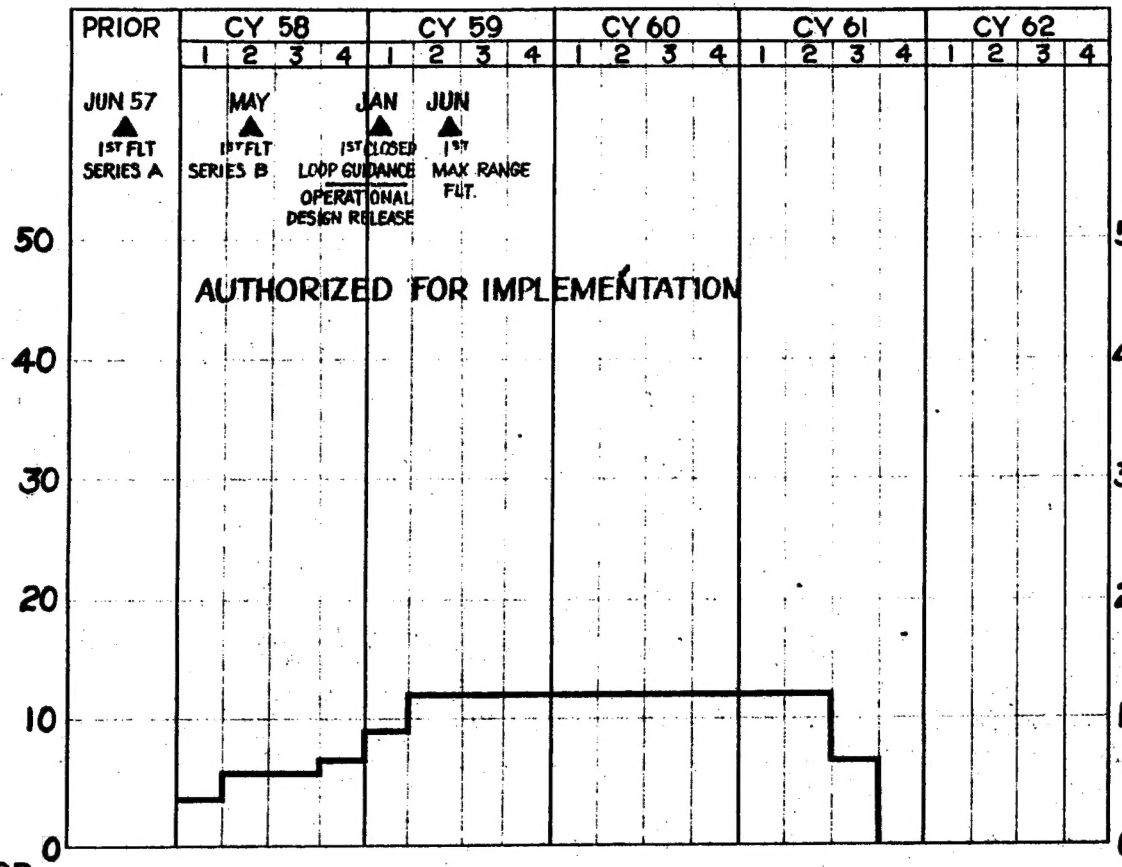
SM-65 PRODUCTION SUMMARY



ANNUAL PROD	PRIOR	CY 58	CY 59	CY 60	CY 61	CY 62	PROGRAM TOTALS
TOTAL	18	23	45	48	31		165
R&D	18	23	29	30	10		110
IOC			16	18	21		55
WS 117L							

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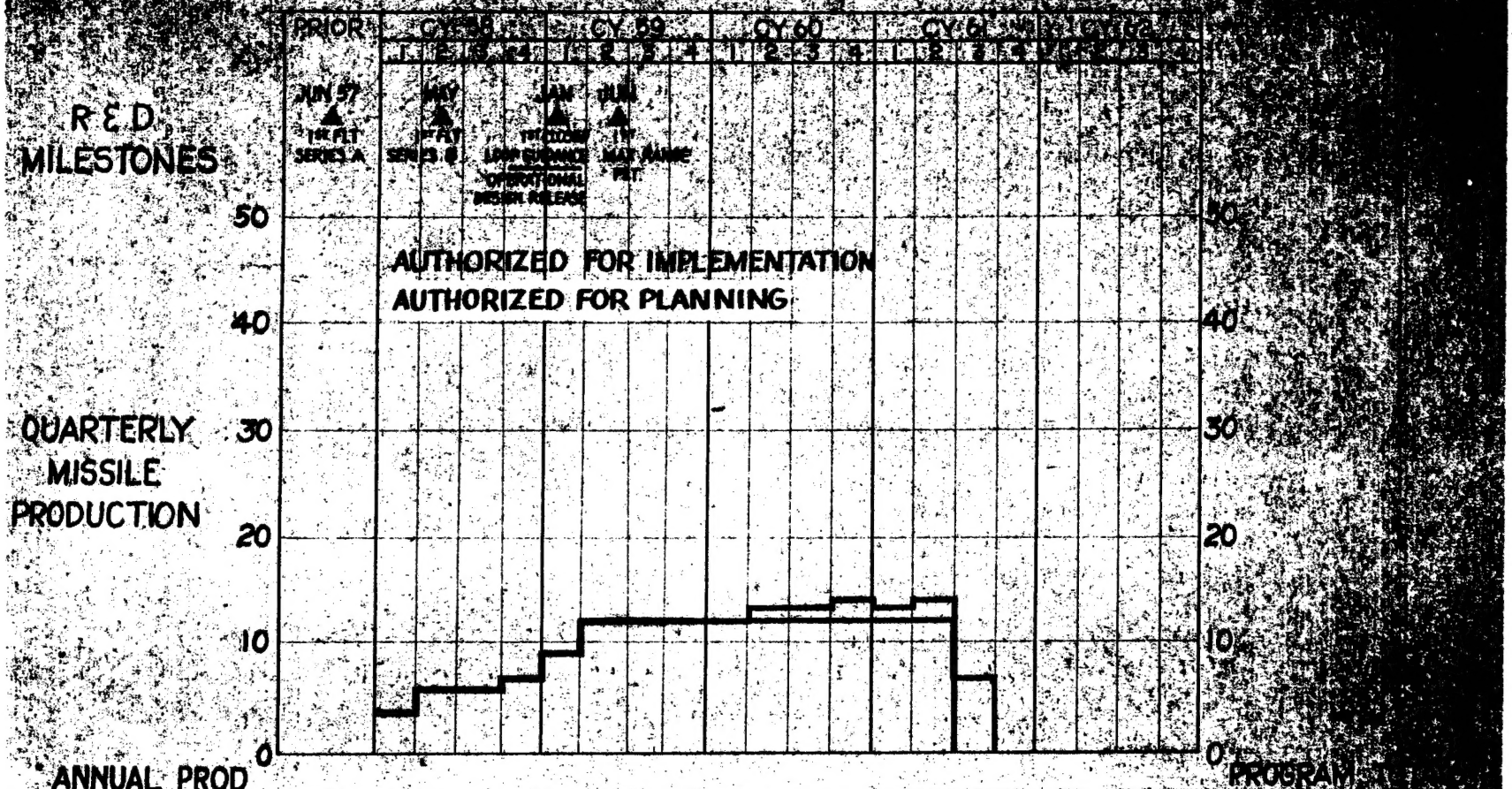
SM-65 PRODUCTION SUMMARY



ANNUAL PROD							PROGRAM
TOTAL	18	23 23	45 45	46 52	31 27		165 165
R&D	18	23 23	29 29	30 30	10 10		110 110
IOC			16 16	18 22	21 17		55 55
WS 117L							

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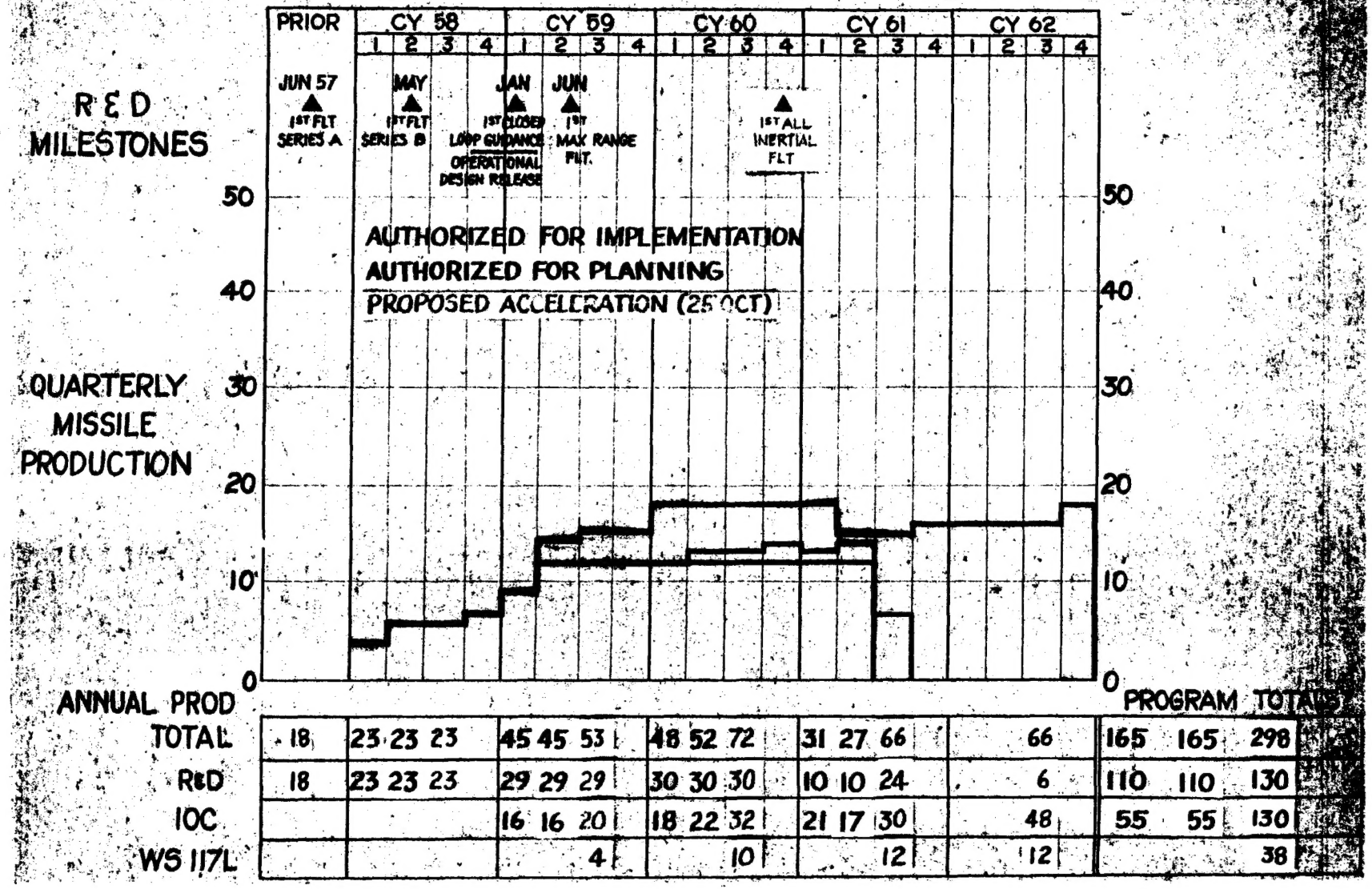
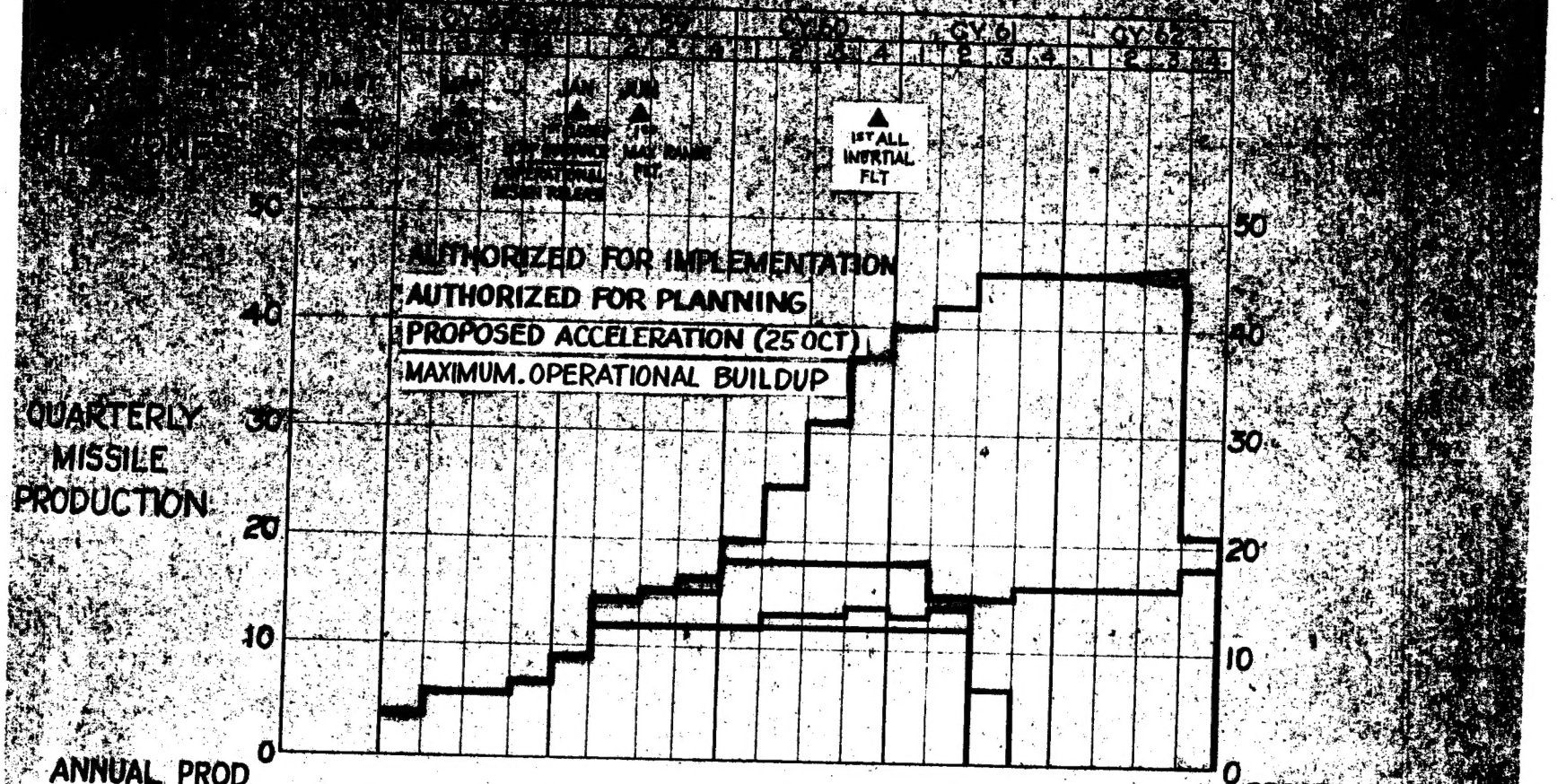
SM-65 PRODUCTION SUMMARY



ANNUAL PROD	PRIOR	CY 58				CY 59				CY 60				CY 61				CY 62				PROGRAM TOTALS		
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
TOTAL	18		23	23	23	45	45	53		48	52	72		31	27	66			66			165	165	298
R&D	18		23	23	23	29	29	29		30	30	30		10	10	24			6			110	110	130
IOC						16	16	20		18	22	32		21	17	30			48			55	55	130
WS 117L								4				10				12			12					38

MM-3 PRODUCTION SUMMARY



ANNUAL PROD														PROGRAM TOTALS			
TOTAL	18	23	23	23	23	45	45	53	54	48	52	72	113	31	27	66	172	66	156	165	165	298	536
R&D	18	23	23	23	23	29	29	29	29	30	30	30	30	10	10	24	24	6	6	110	110	130	130
IOC						16	16	20	21	18	22	32	73	21	17	30	136	48	138	55	55	130	368
WS 117L								4	4			10	10			12	12	12	12			38	38

SM-68 PROGRAM SUMMARY

			TOTAL	PRIOR	CY 58 1	CY 58 2	CY 58 3	CY 58 4	CY 59 1	CY 59 2	CY 59 3	CY 59 4	CY 60 1	CY 60 2	CY 60 3	CY 60 4	CY 61 1	CY 61 2	CY 61 3	CY 61 4	CY 62 1	CY 62 2	CY 62 3	CY 62 4	CY 63 1	CY 63 2	CY 63 3	CY 63 4
DELIVERIES	AUTH FOR IMPLEMENTATION		140	0	1	4	5	5	6	6	8	6	6	8	8	9	12	12	11	12	12	12						
ALLOCATIONS	R&D	(1)	84	0	1	4	5	5	6	6	5	6	6	8	8	9	7	6	2									
	IOC	(1)	56														5	6	9	12	12	12						
OPERATIONAL SQDNS	AUTH. FOR IMPLEMENTATION (HARD)																			①	②	③		④				

SECRET

SM-68 PROGRAM SUMMARY

		TOTAL	PRIOR	CY 58 1	2	3	4	CY 59 1	2	3	4	CY 60 1	2	3	4	CY 61 1	2	3	4	CY 62 1	2
OPERATIONAL CAPABILITY		140	0	1	4	5	5	6	6	6	6	6	8	8	9	12	12	11	12	12	12
AUTH. FOR PLANNING		140	0	1	4	5	5	6	6	5	6	6	8	8	9	12	12	11	12	12	12
R&D	(1)	84	0	1	4	5	5	6	6	5	6	6	8	8	9	7	6	2			
	(2)	84	0	1	4	5	5	6	6	5	6	6	8	8	7	6	5	6			
IOC	(1)	56														5	6	9	12	12	12
	(2)	56													2	6	7	5	12	12	12
AUTH. FOR IMPLEMENTATION (HARD)																			①	②	③
AUTH. FOR PLANNING (HARD)																		①	②	③	

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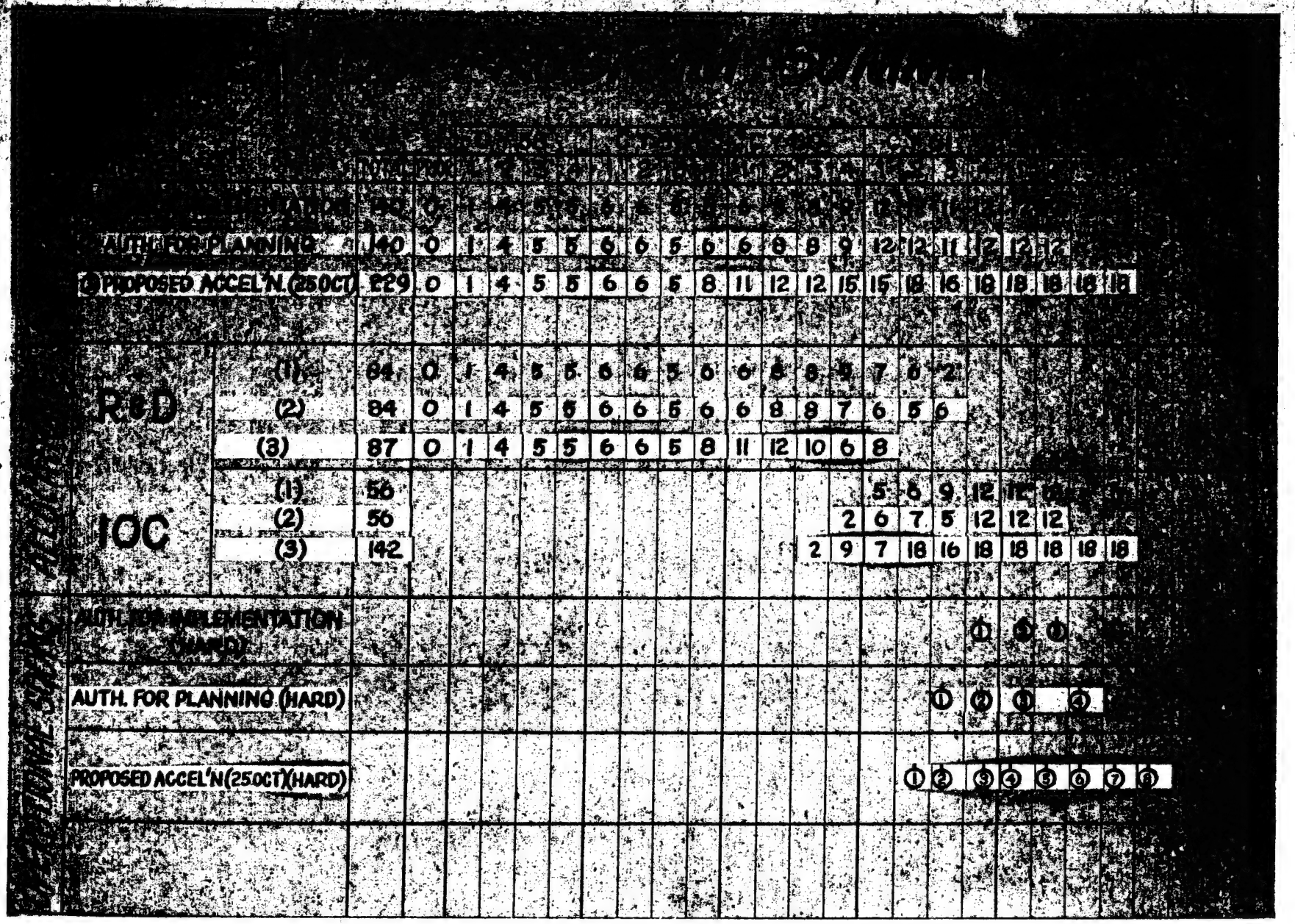
AUTH. FOR PLANNING 140 0 1 4 5 5 6 6 5 6 6 8 8 9 12 12 11 12 12 12
PROPOSED ACCEL'N (250CT) 229 0 1 4 5 5 6 6 5 8 11 12 12 15 15 18 16 18 18 18 18 18
RED
(1) 84 0 1 4 5 5 6 6 5 6 6 8 8 7 7 6 2
(2) 84 0 1 4 5 5 6 6 5 6 6 8 8 7 6 5 6
(3) 87 0 1 4 5 5 6 6 5 8 11 12 10 6 8
IOC
(1) 56 5 6 9 12 12 12
(2) 56 2 6 7 5 12 12 12
(3) 142 2 9 7 18 16 18 18 18 18 18
AUTH. FOR IMPLEMENTATION (HARD)
AUTH. FOR PLANNING (HARD)
PROPOSED ACCEL'N (250CT) (HARD)

STRAT. PROGRAM SUMMARY

			CY 58				CY 59				CY 60				CY 61				CY 62			
		TOTAL	PRIOR	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
		140	0	1	4	5	5	6	6	5	6	6	8	8	9	12	12	11	12				
	② AUTH. FOR PLANNING	140	0	1	4	5	5	6	6	5	6	6	8	8	9	12	12	11	12	12	12		
	③ PROPOSED ACCEL'N (250CT)	229	0	1	4	5	5	6	6	5	8	11	12	12	15	15	18	16	18	18	18	18	18
	④ MAXIMUM OPN'L BUILD-UP	260	0	1	4	5	5	6	6	5	8	11	12	12	15	18	20	22	24	27	29	30	
OPERATIONAL SQDNS ALLOCATIONS	R&D (1)	84	0	1	4	5	5	6	6	5	6	6	8	8	9	7	6	2					
	R&D (2)	84	0	1	4	5	5	6	6	5	6	6	8	8	7	6	5	6					
	R&D (3) & (4)	87	0	1	4	5	5	6	6	5	8	11	12	10	6	8							
	IOC (1)	56														5	6	9	12	12	12		
	IOC (2)	56													2	6	7	5	12	12	12		
	IOC (3)	142												2	9	7	18	16	18	18	18	18	18
	IOC (4)	173												2	9	10	20	22	24	27	29	30	
	AUTH. FOR IMPLEMENTATION (HARD)																		①	①	②		
	AUTH. FOR PLANNING (HARD)																	①	②	③		④	
	PROPOSED ACCEL'N (250CT) (HARD)																①	②	③	④	⑤	⑥	⑦ ⑧
	MAXIMUM OPN'L BUILD-UP (HARD)																①	② ③	④	⑤ ⑥	⑦ ⑧	⑨ ⑩	⑪ ⑫

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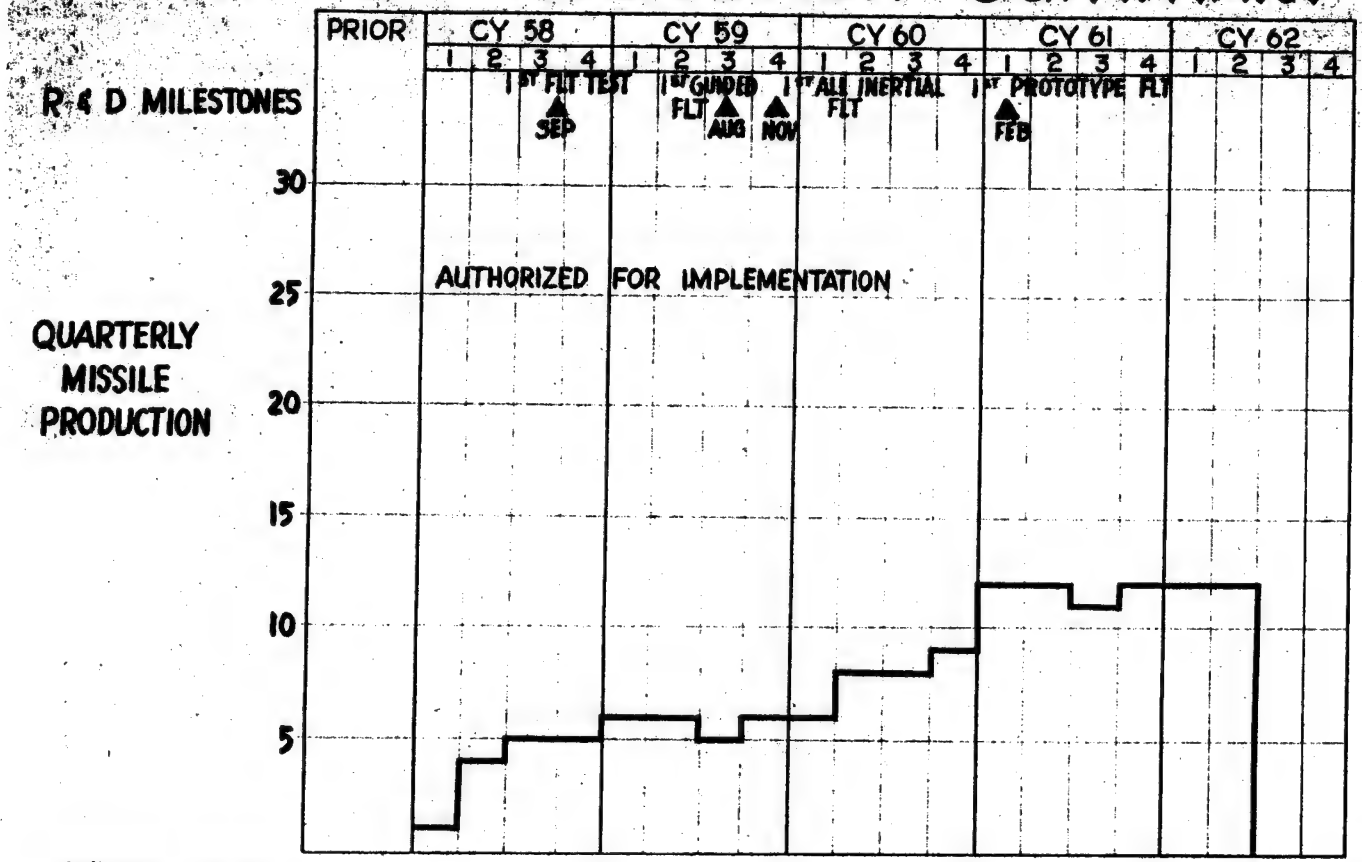
SM-68 PRODUCTION SUMMARY



	PRIOR	CY 58	CY 59	CY 60	CY 61	CY 62	PROGRAM TOTALS
ANNUAL PROD TOTAL	0	15	23	31	47	24	140
R&D	0	15	23	31	15		84
IOC	0	0	0	0	32	24	56

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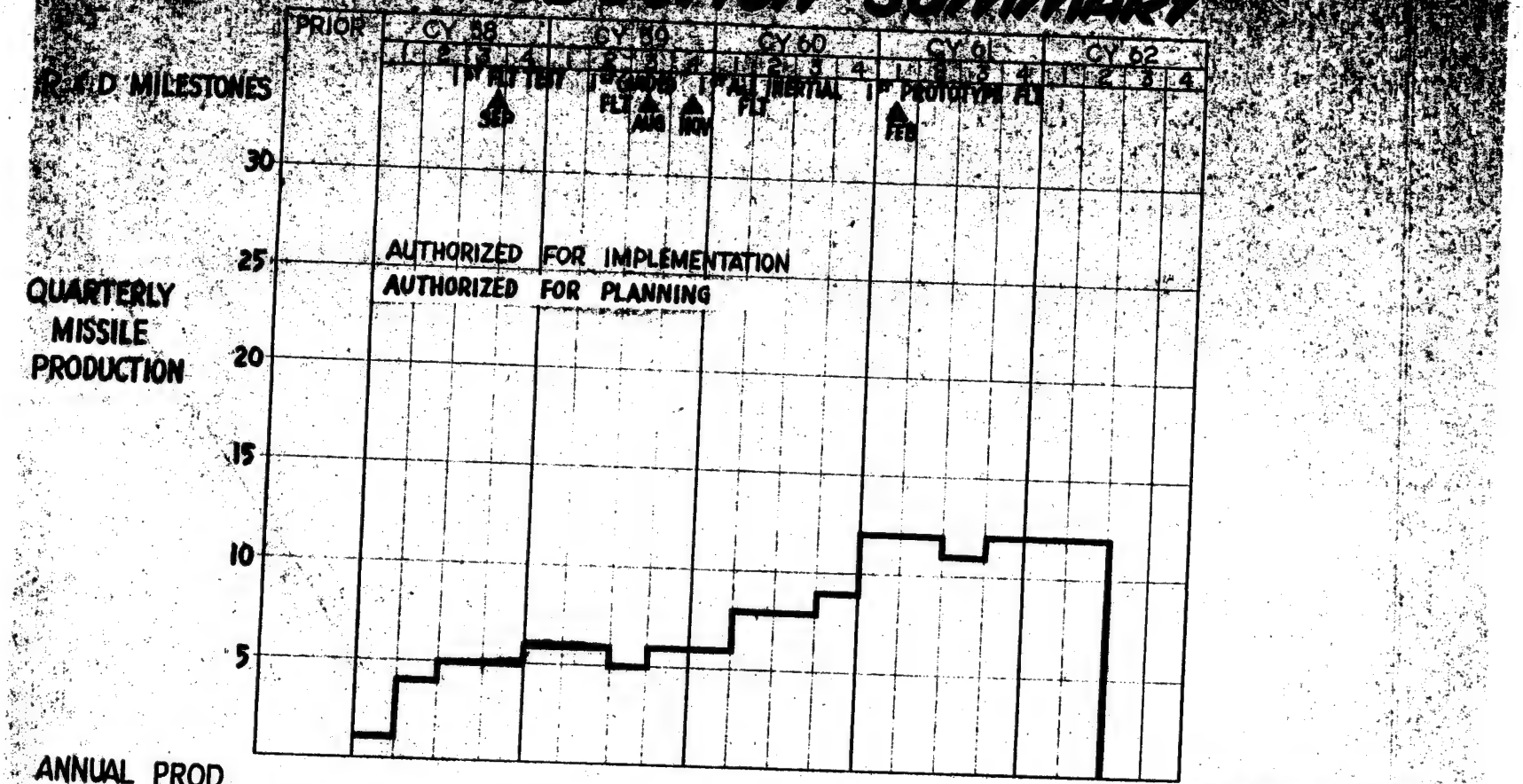
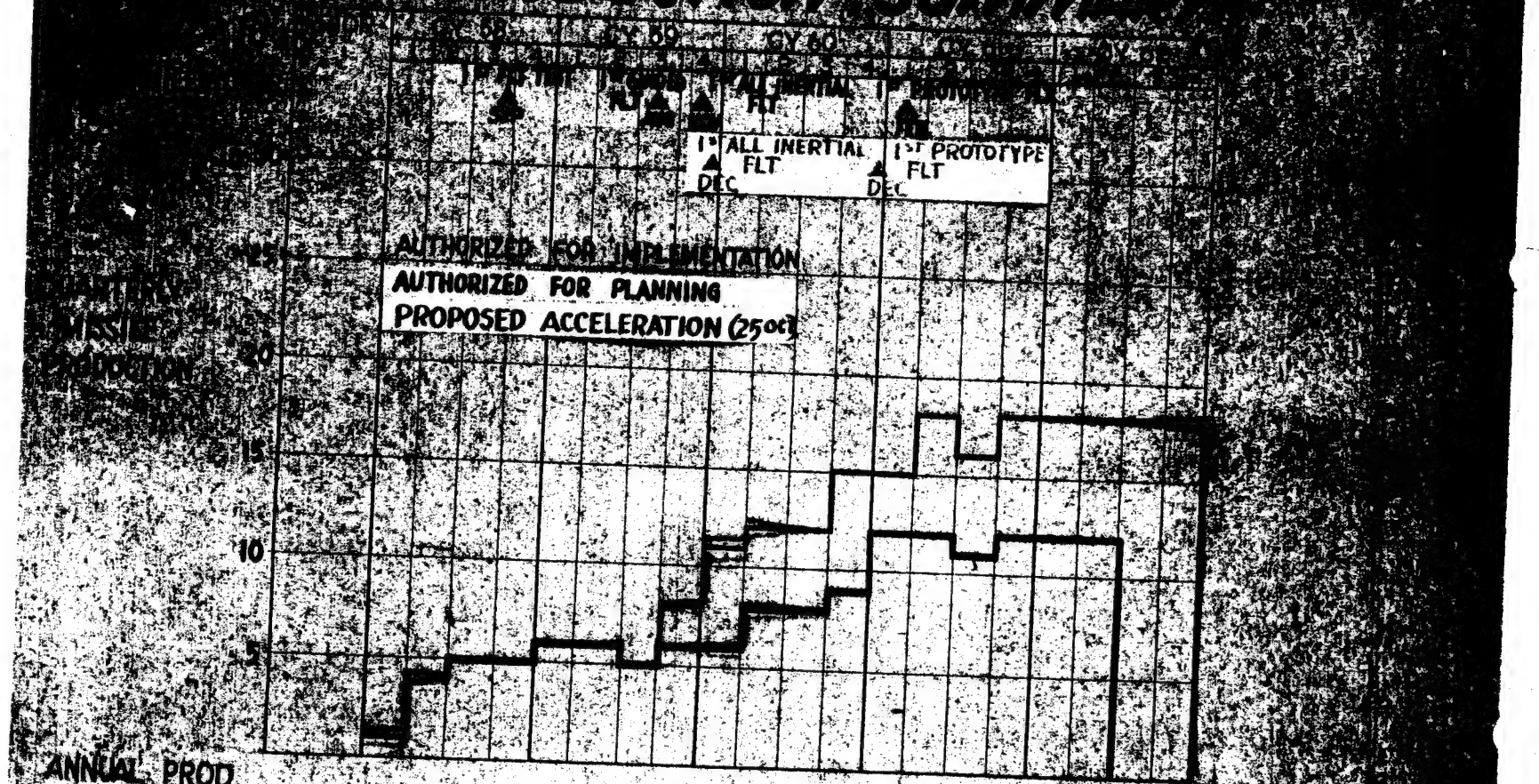
SM-68 PRODUCTION SUMMARY



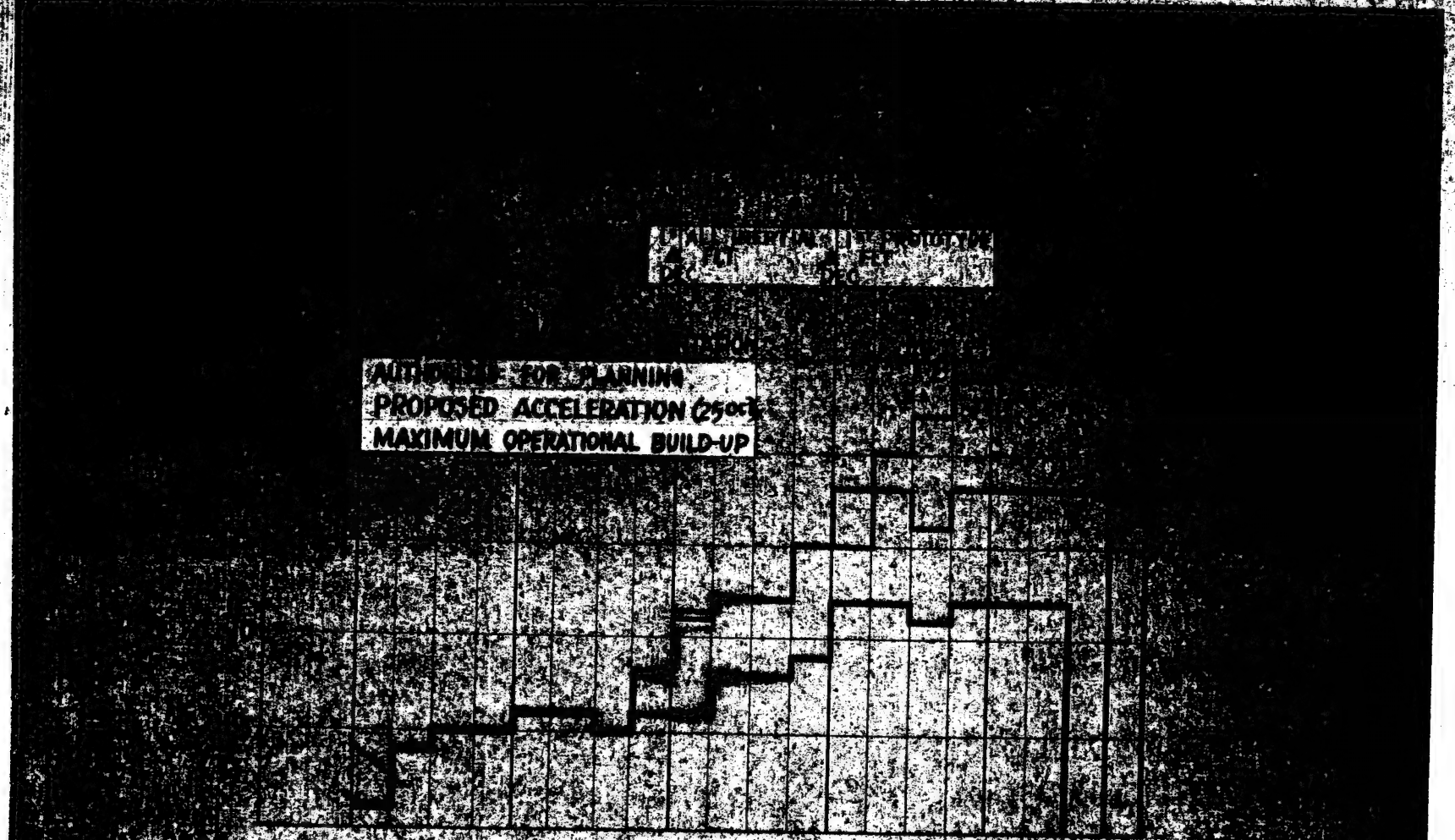
							PROGRAM TOTALS
ANNUAL PROD TOTAL	0	15 15	23 23	31 31	47 47	24 24	140 140
R&D	0	15 15	23 23	31 29	15 17		84 84
IOC	0	0 0	0 0	0 2	32 30	24 24	56 56

SECRET

PRODUCTION SUMMARY



| | | |



AL PROD																				PROGRAM				
TOTAL	0	15	15	15	15	23	23	25	25	31	31	50	50	47	47	67	84	24	24	72	86	140	140	229	260
RED	0	15	15	15	15	23	23	25	25	31	29	39	39	15	17	8	8					84	84	87	87
ICC	0	0	0	0	0	0	0	0	0	0	2	11	11	32	30	59	76	24	24	72	86	56	56	142	173

SM-75 PROGRAM SUMMARY

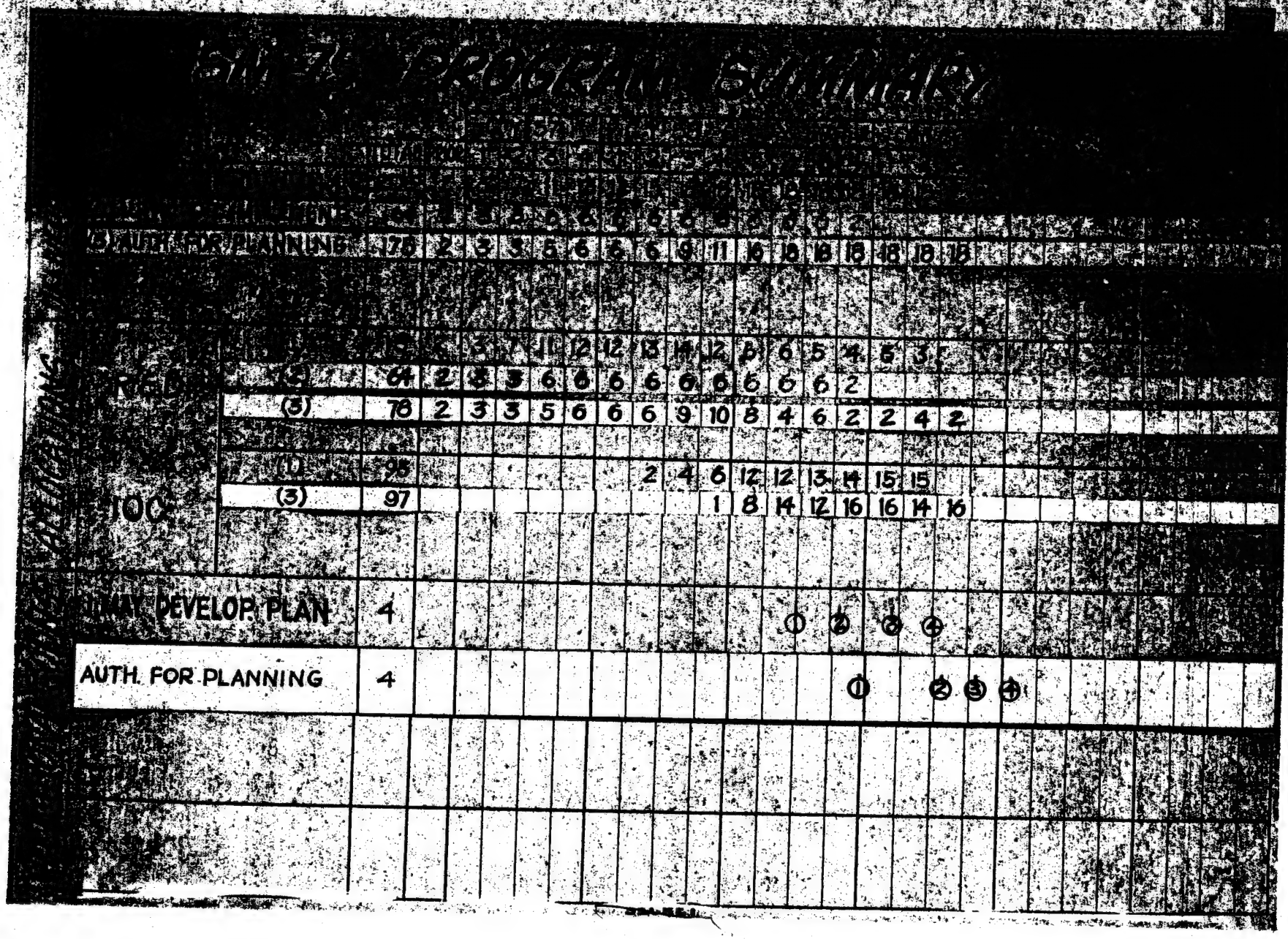
			TOTAL	PRIOR	CY 57 1	2	3	4	CY 58 1	2	3	4	CY 59 1	2	3	4	CY 60 1	2	3	4	CY 61 1	2	3	4
DELIVERIES	(1) 1 MAY DEVELOPMENT PLAN		206	2	3	7	11	12	12	15	18	18	18	18	18	18	18	18							
ALLOCATIONS	R&D	(1)	118	2	3	7	11	12	12	13	14	12	6	6	5	4	3	3							
	IOC	(1)	93							2	4	6	12	12	13	14	15	15							
OPERATIONAL SQDNS	1 MAY DEVELOP. PLAN		4											①	②		③	④							

SM-75 PROGRAM SUMMARY

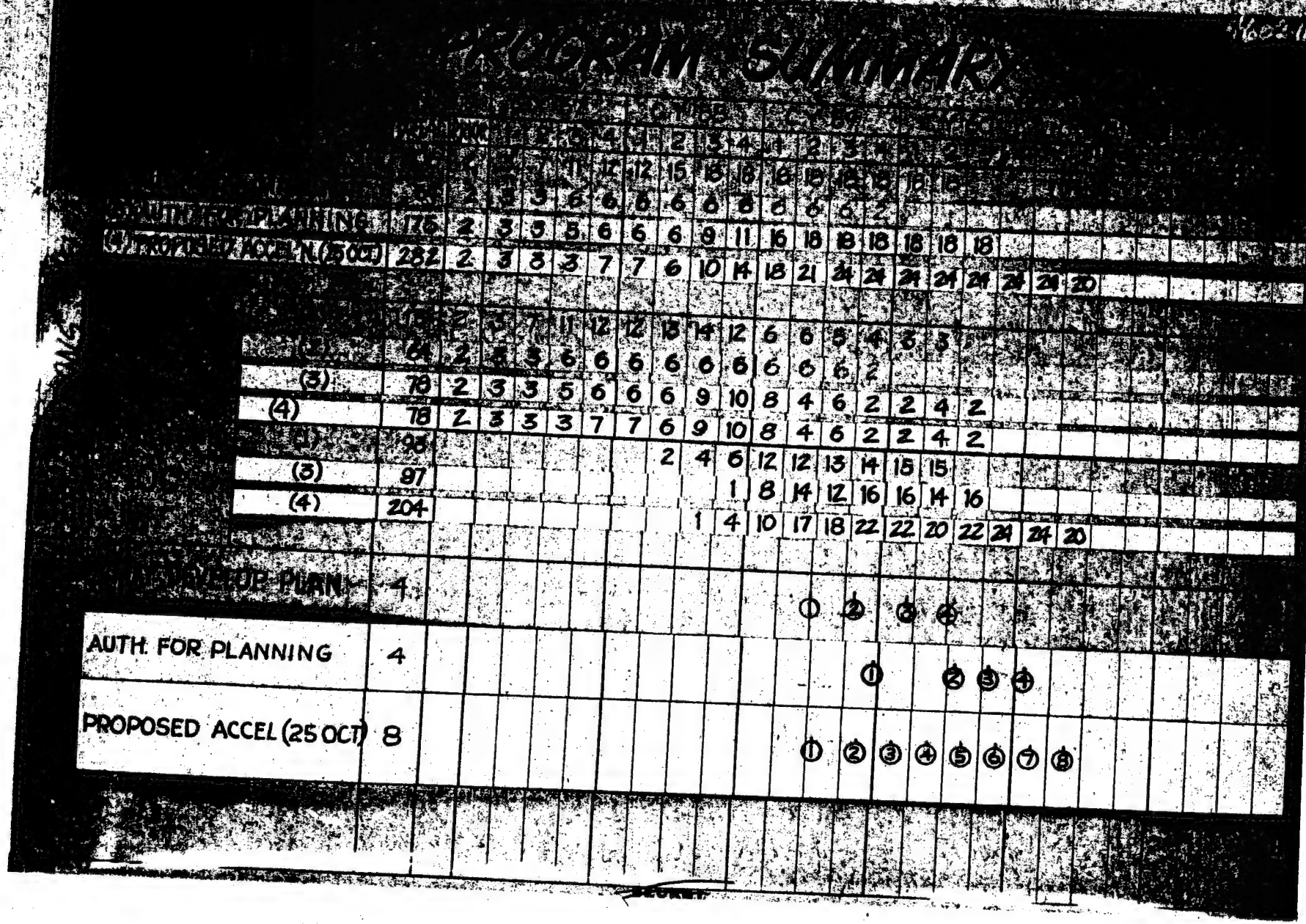
SECRET

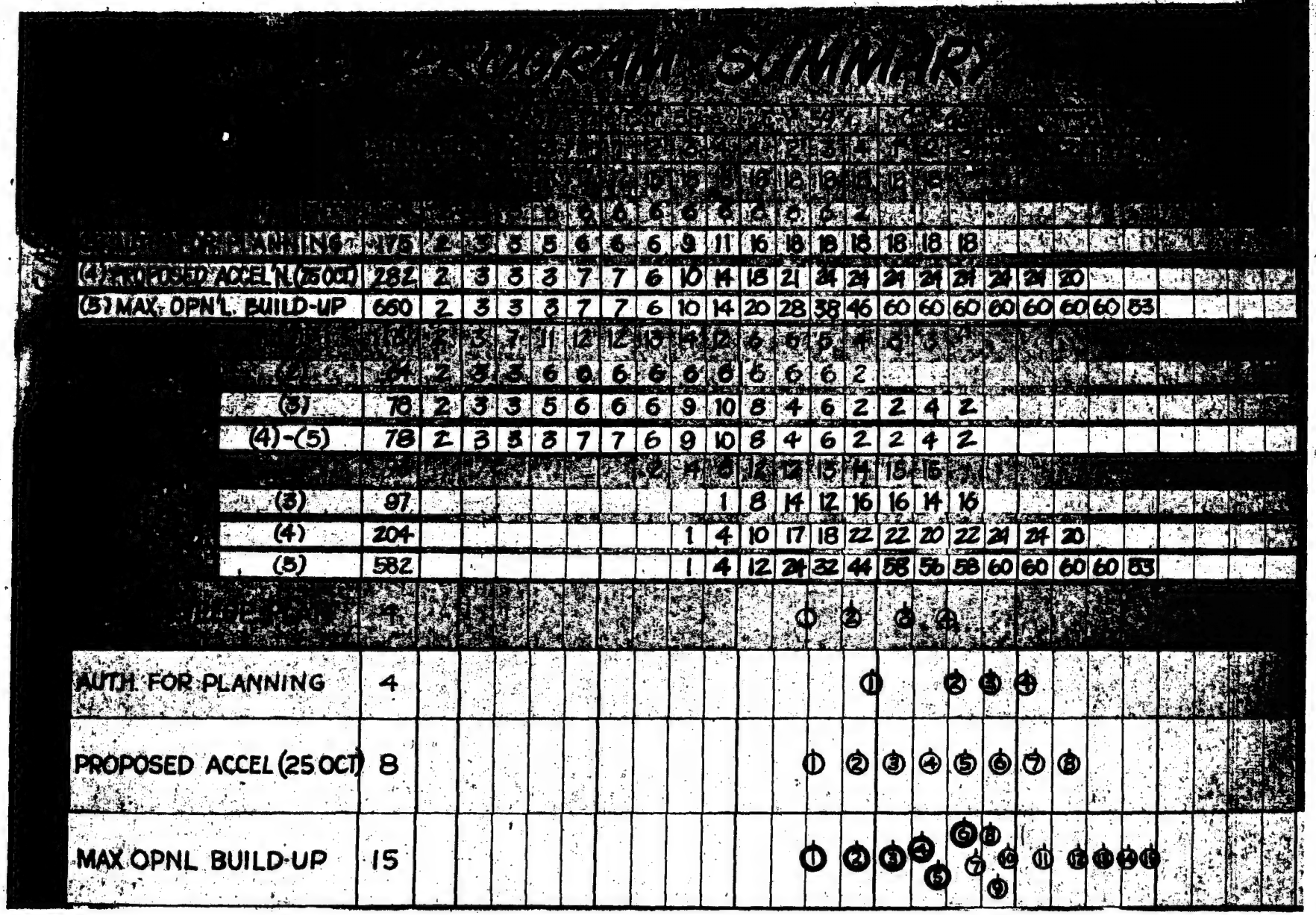
			TOTAL	PRIOR	CY 57 1	CY 57 2	CY 57 3	CY 57 4	CY 58 1	CY 58 2	CY 58 3	CY 58 4	CY 59 1	CY 59 2	CY 59 3	CY 59 4	CY 60 1	CY 60 2	CY 60 3	CY 60 4	CY 61 1	CY 61 2	CY 61 3	CY 61 4	CY 62
DELIVERIES	(1) MAY DEVELOPMENT PLAN		206	2	5	7	11	12	12	15	18	18	18	18	18	18	18	18							
	(2) AUTH. FOR IMPLEMENT.		64	2	3	3	6	6	6	6	6	6	6	6	6	2									
OPERATIONAL SQDNS ALLOCATIONS	R&D	(1)	113	2	3	7	11	12	12	13	14	12	6	6	5	4	3	3							
		(2)	64	2	3	3	6	6	6	6	6	6	6	6	6	2									
	IOC	(1)	93							2	4	6	12	12	13	14	15	15							
	1 MAY DEVELOP. PLAN		4											①	②		③	④							

SECRET

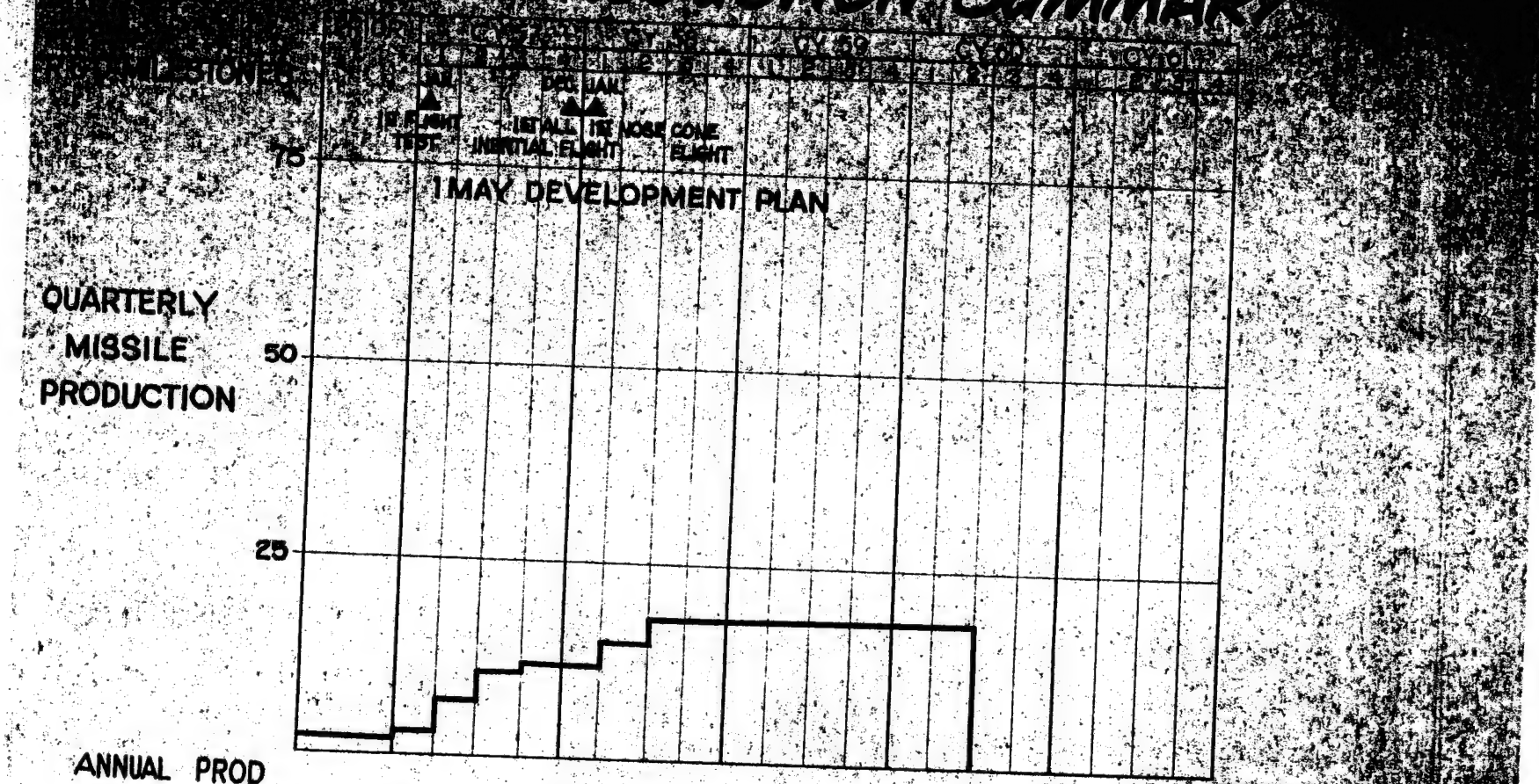

PROGRAM SUMMARY
AUTH. FOR PLANNING
R-D
100
MAY DEVELOP PLAN
AUTH. FOR PLANNING

PROGRAM SUMMARY




PROGRAM SUMMARY
AUTH. FOR PLANNING
PROPOSED ACCEL (25 OCT)
MAX OPNL BUILD-UP

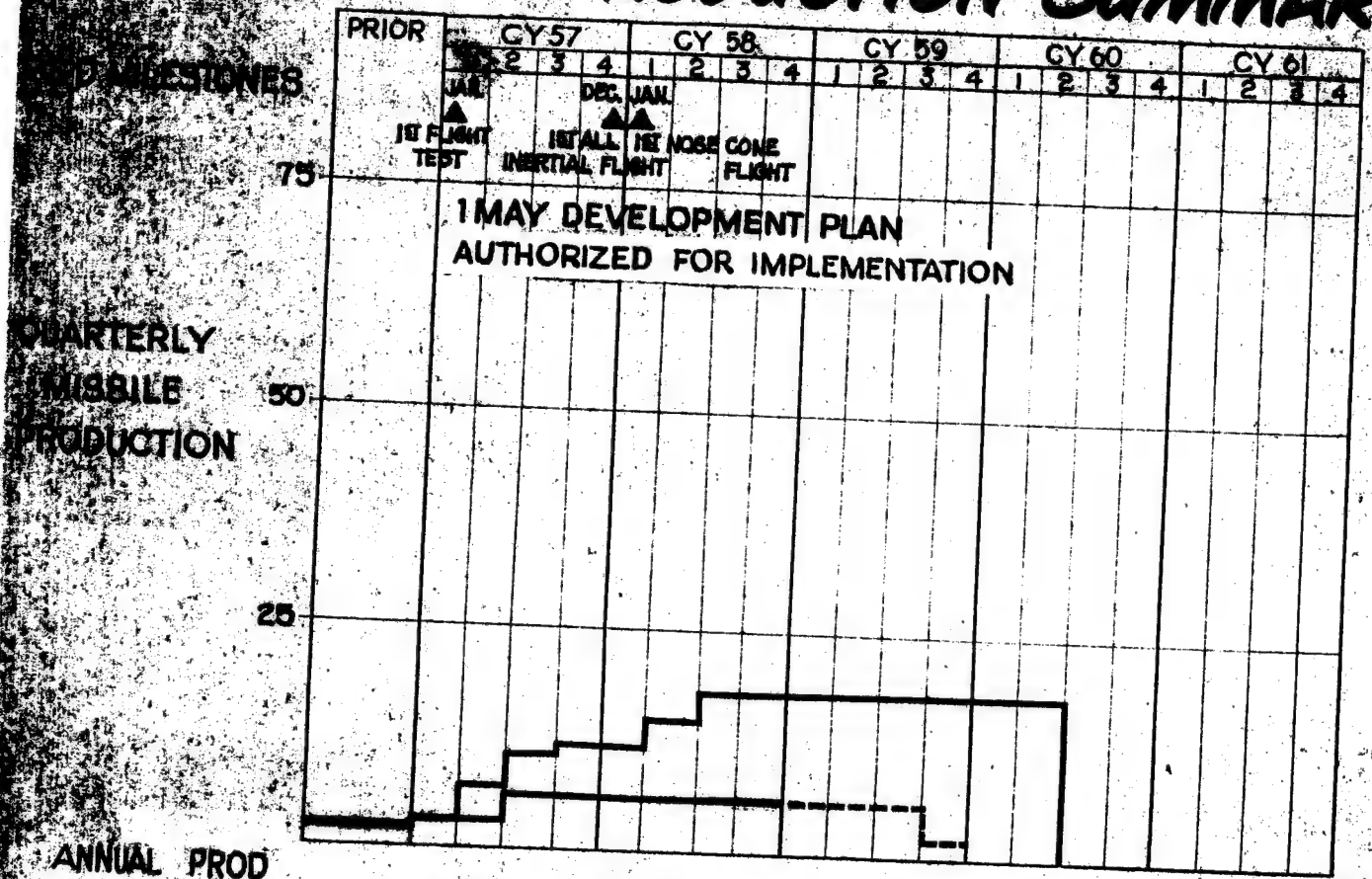
SM-75 PRODUCTION SUMMARY



ANNUAL PROD						PROGRAM TOTALS
TOTAL	2	33	63	72	36	206
R&D	2	33	51	21	6	113
IOC	0	0	12	51	30	93

SECRET

SM-75 PRODUCTION SUMMARY

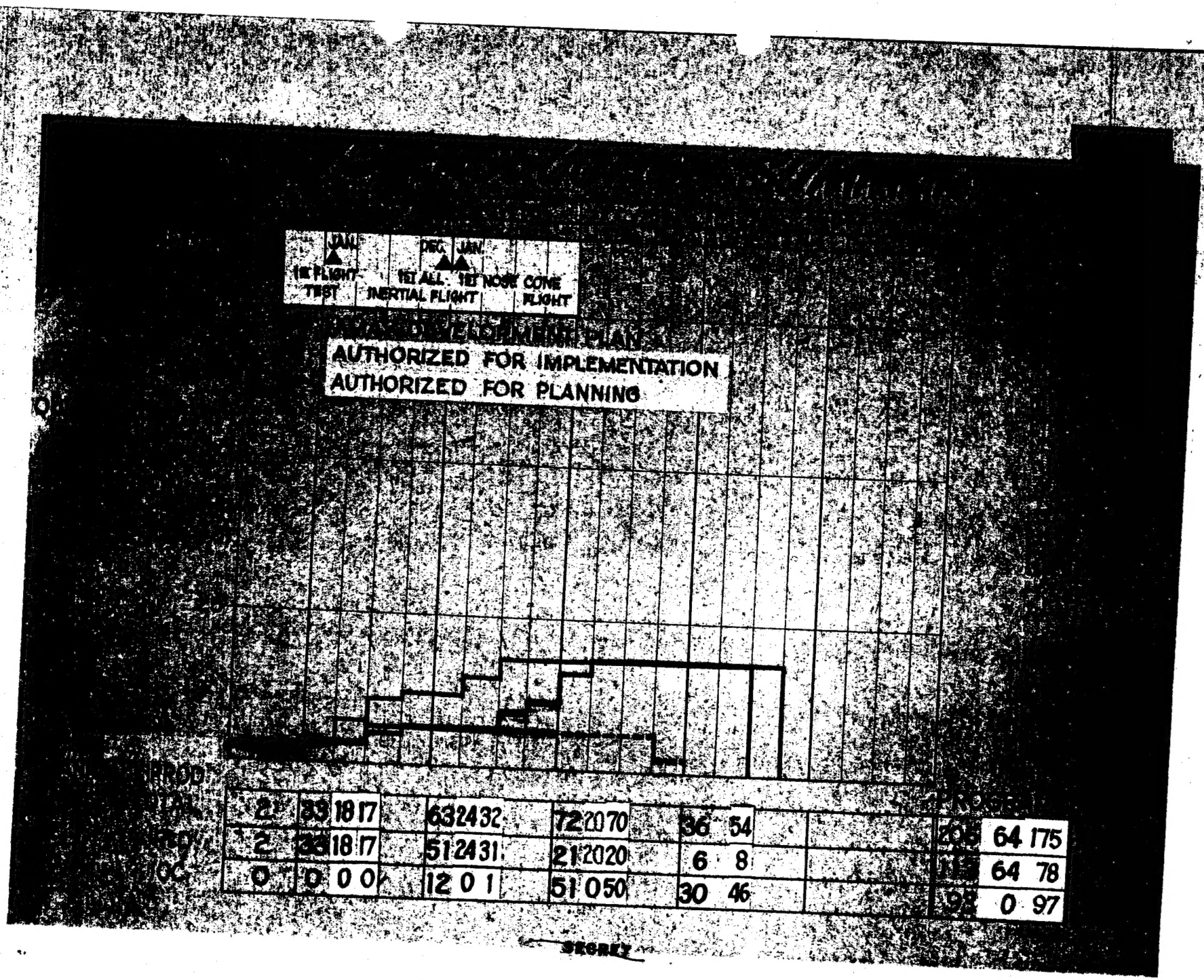


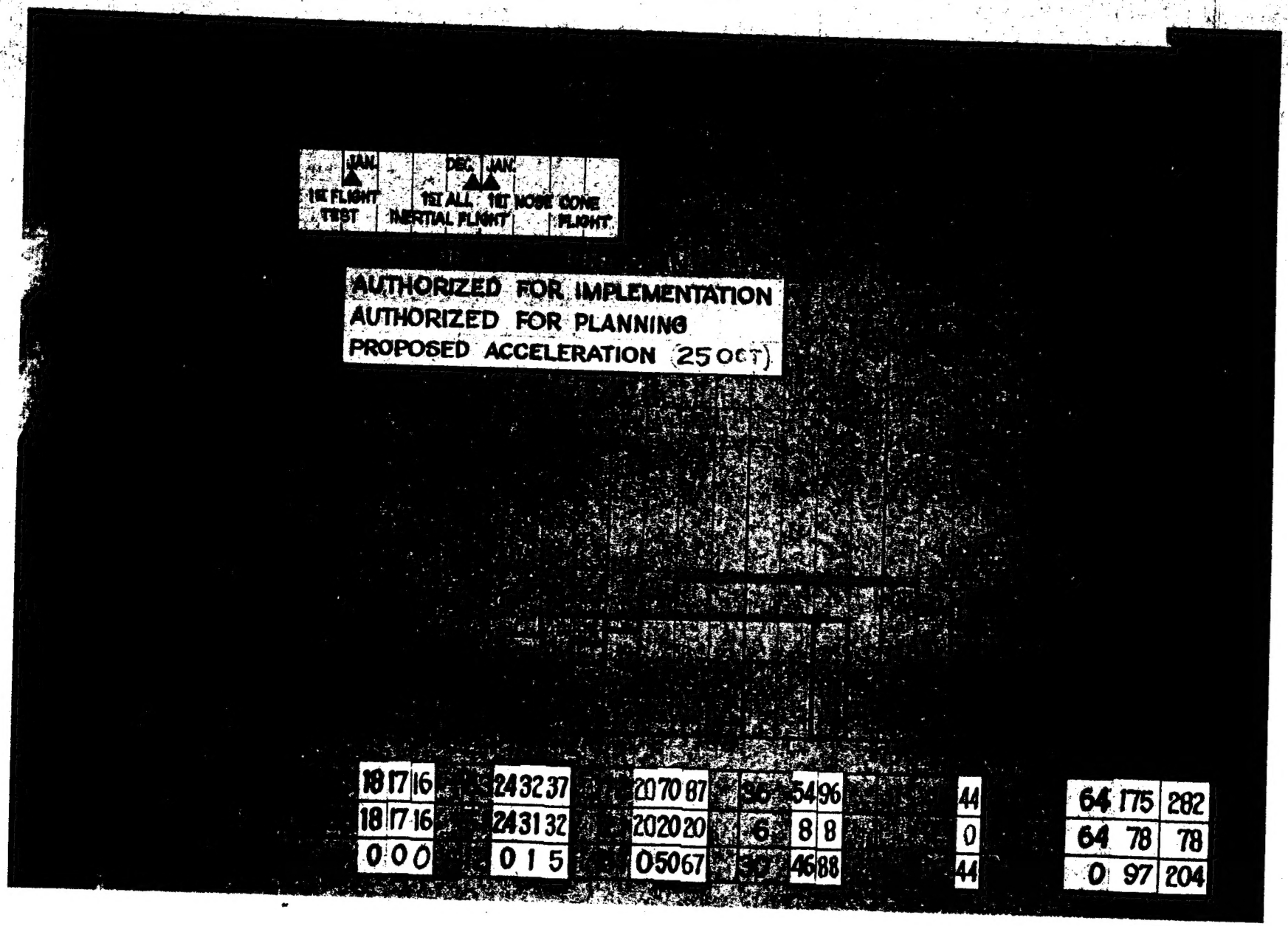
MILESTONES

QUARTERLY MISSILE PRODUCTION

ANNUAL PROD						PROGRAM TOTALS
TOTAL	2	33 18	63 24	72 20	36	206 64
R&D	2	33 18	51 24	21 20	6	113 64
IOC	0	0 0	12 0	51 0	30	93 0

SECRET


JULY
1ST FLIGHT-TEST
DEC.
1ST ALL INERTIAL FLIGHT
JAN.
1ST NOSE CONE FLIGHT
AUTHORIZED FOR IMPLEMENTATION
AUTHORIZED FOR PLANNING
PERIOD
21 33 18 17
12 33 18 17
0 0 0 0
632432
512431
12 0 1
72 20 70
21 20 20
51 0 50
36 54
6 8
30 46
64 175
64 78
0 97
SECRET


JAN.
1ST FLIGHT TEST
DEC.
1ST ALL INERTIAL FLIGHT
JAN.
1ST NOSE CONE FLIGHT
AUTHORIZED FOR IMPLEMENTATION
AUTHORIZED FOR PLANNING
PROPOSED ACCELERATION (25 OCT)
18 17 16
18 17 16
0 0 0
24 32 37
24 31 32
0 1 5
20 70 87
20 20 20
0 50 67
96
6
54 96
8 8
46 88
44
0
44
64 175 282
64 78 78
0 97 204

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FUNDING PROGRAM *
BY WEAPON SYSTEM - ALL YEARS
(IN MILLIONS OF DOLLARS)

	PRIOR	FY 58	FY 59	FY 60	FY 61	FY 62
ATLAS	900	488	550	386	184	45
TITAN	569	355	405	517	326	161
THOR	241	148	221	199	72	0
TOTAL	1710	991	1176	1102	582	206

* 1 OCT DEVELOPMENT PLAN

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1 NOV 1957

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MAXIMUM OPERATIONAL BUILD-UP
FUNDING REQUIREMENTS
BY WEAPON SYSTEM
(IN MILLIONS $)

	FY 58	FY 59	FY 60	FY 61	FY 62
ATLAS	524	849	1154	857	518
TITAN	387	670	935	731	465
THOR	216	422	518	475	206
TOTAL	1127	1941	2607	2063	1189

1 NOV '57

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